

Docket No.: 8733.475.00

Declaration, Power of Attorney and Petition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**REFLECTIVE AND TRANSFLECTIVE CRYSTAL DISPLAY DEVICE AND ITS
MANUFACTURING METHOD**

the specification of which

☐ is attached hereto.☒ was filed on June 29, 2001as Application Serial No. 09/893,557

and amended on _____

☐ was filed as PCT international application

Number _____

on _____

and was amended under PCT Article 19

on _____ (if applicable).

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed	
<u>P2000-61931</u>	<u>KOREA</u>	<u>October 20, 2000</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No

We (I) hereby claim the benefit under Title 35, United States Code, §119(e) of a United States provisional application(s) listed below.

(Application Number)

(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §165(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.

Filing Date

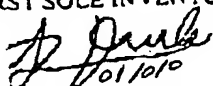
Status (pending, patented, abandoned)

And we (I) hereby appoint Song K. Jung, Reg. No. 35,210; John M. Kelly, Reg. No. 33,920; Kenneth D. Springer, Reg. No. 39,843; and Rebecca A. Goldman, Reg. No. 41,786 and as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to Song K. Jung of Long Aldridge & Norman LLP, Attorneys At Law, 6th Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dong Guk KIM

NAME OF FIRST SOLE INVENTOR



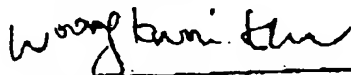
Signature of Inventor

2001. 10. 10

Date

Woong Kwon KIM

NAME OF SECOND JOINT INVENTOR



Signature of Inventor

Oct. 15, 2001

Date

Residence: Shinan APT. 12-201

Bhanghwa-1dong

Kangseo-gu, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above

Residence: Saejong APT. 640-1204

1145 Sanbon-dong, Kunpo-shi

Kyonggi-do, KOREA

Citizen of: Republic of Korea

Post Office Address: Same As Above

Kyoung Su HA

NAME OF THIRD JOINT INVENTOR

Signature of Inventor

2001. 10. 10.

Date

Heumeil BAEK

NAME OF FOURTH JOINT INVENTOR

Signature of Inventor

2001. 10. 10

Date

Yong Beom KIM

NAME OF FIFTH JOINT INVENTOR

Signature of Inventor

Residence: 1027-15, Sadang-dong

Dongjak-gu, Seoul, KOREA

Citizen of: Republic of KOREA

Post Office Address: Same As Above

Residence: 1027-3, Daelim-2dong

Yongdungpo-gu

Seoul, KOREA

Citizen of: Republic of KOREA

Post Office Address: Same As Above

Residence: Dongsin APT, 212-80

313-1 Chongcha-dong, Changan-gu

Suwon-shi, Kyonggi-do, KOREA

Citizen of: Republic of KOREA

Post Office Address: Same As Above

PATENT
Docket No.: 8733.475.00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Dong Guk KIM et al.

Group Art Unit: **2812**

Application No.: **09/893,557**

Examiner: **Unknown**

Filing Date: **June 29, 2001**

For: **Reflective and Transflective Liquid Crystal Display
Device and Its Manufacturing Method**

DECLARATION OF SEUNG K. LEE

I, Seung K. Lee, hereby declare the following:

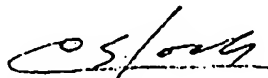
1. About eight months after filing the Korean Application No. 2000-61931, LG.Philips LCD Co., Ltd. requested me to prepare a patent application for filing in the United States corresponding to the Korean Application. I prepared a draft of the U.S. Application, which included translating the Korean Application, and forwarded the draft application to the U.S. patent attorney on June 11, 2001. Since the Korean Application was already written, I did not need to contact the inventor to complete the draft U.S. application. The U.S. attorney reviewed and edited the patent application to place the application in good form for U.S. practice and sent it back to me on June 23, 2001. On June 29, 2001, we instructed the U.S. attorney to file the application without the declaration. The U.S. application was filed on June 29, 2001. I have been unable to locate one the inventors of the U.S. patent application identified above, Yong Beom KIM. Because I could not locate Yong Beom Kim, he has not executed a Declaration for the pending U.S. patent application.
2. I have made a diligent effort to find Yong Beom Kim, who is one of the inventors in the above-identified application, as explained below.
3. On October 9, 2001, I sent a registered letter including the Combined Declaration and Power of Attorney for Mr. Kim's execution to his last known address but the letter was returned back to me, as indicated in the attached copy of the returned envelope.
4. Mr. Kim's last known address is: Dongsin Apt. 212-80, 313-1 Chongcha-dong, Changan-gu Suwon-shi, Kyonggi-do, Republic of Korea.

BEST AVAILABLE COPY

5. In attempting to locate Yong Beom Kim, I also called his last known telephone number both at work and at home but Yong Beom Kim was not reachable at both of these numbers because he left his employment at LG Philips Co., Ltd. and moved from his last known address. His managers and other employees also did not know his whereabouts.
6. I do not currently have any other address, telephone number, or other information for contacting Yong Beom Kim.

October 17, 2001

Date

Seung K. Lee



UNITED STATES
PATENT AND
TRADEMARK OFFICE

OCTOBER 17, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

MCKENNA LONG & ALDRIDGE LLP
SONG K. JUNG
1900 K STREET, N.W.
WASHINGTON, D.C. 20006



102188152A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

8733.475.02

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/24/2002

REEL/FRAME: 013173/0726
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KIM, DONG G.

DOC DATE: 10/10/2001

ASSIGNOR:

KIM, WOONG-KWON

DOC DATE: 10/15/2001

ASSIGNOR:

HA, KYOUNG-SU

DOC DATE: 10/10/2001

ASSIGNOR:

BAEK, HEUME I.

DOC DATE: 10/10/2001

ASSIGNEE:

LG.PHILIPS LCD CO., LTD.
20 YOIDO-DONG YOUNGDUNGPO-KU
SEOUL, REPUBLIC OF KOREA

SERIAL NUMBER: 09893557
PATENT NUMBER:

FILING DATE: 06/29/2001
ISSUE DATE:

OCT 21 2002

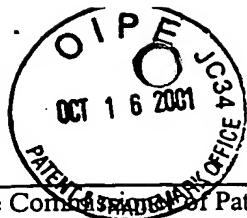
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013173/0726 PAGE 2

SHAREILL COLES, EXAMINER
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10-23-2001
101881971

Atty. Docket No.: 8733.475.00
U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Dong Guk KIM Woong Kwon KIM Kyoung Su HA Heume Il BAEK Yong Beom KIM Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: LG.Philips LCD Co., Ltd. Address: 20, Yoido-dong, Youngdungpo-ku Seoul, KOREA
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Dates: 10/10/01 and 10/15/01	Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed: LONG ALDRIDGE & NORMAN, LLP 701 Pennsylvania Avenue, N.W. Sixth Floor, Suite 600 Washington, D.C. 20004	6. Total applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-0911 (Attach duplicate copy of this page if paying by deposit account)
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DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Song K. Jung

Name of Person Signing

Registration Number:

Signature

October 16, 2001

Date

Total number of pages including this cover sheet: 3

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

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Docket No.: 8733.475.00

Assignment of Application

WHEREAS, I (WE) Dong Guk KIM, Woong Kwon KIM, Kyoung Su HA,
Heume Il BAEK and Yong Beom KIM, respectively,

have invented certain new and useful improvements in: REFLECTIVE AND TRANSFLECTIVE

LIQUID CRYSTAL DISPLAY DEVICE AND ITS MANUFACTURING METHOD

for which an application for Letters Patent was executed on

(Application No. 09/893,557, Filed 6/29/2001), and

WHEREAS, LG.Philips LCD Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at:
20 Yoido-dong, Youngdungpo-ku, Seoul, KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and

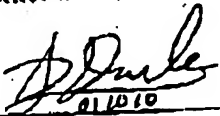
TO: KIMS

831-450-7404

10-15 13:57 MON FROM: LG-PHILIPS LCD

all foreign countries.

The undersigned hereby grant(s) the firm of Long Aldridge & Norman LLP, Attorneys at Law, 6th Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 2001. 10. 10 
(Signature of Inventor)
Dong Guk KIM

Date: Oct. 15. 2001 Woong Kwon Kim
(Signature of Inventor)
Woong Kwon KIM

Date: 2001. 10. 10 Kyoung Su Ha
(Signature of Inventor)
Kyoung Su HA

Date: 2001. 10. 10 Heumil Baek
(Signature of Inventor)
Heumil BAEK

Date: _____ Yong Beom KIM
(Signature of Inventor)
Yong Beom KIM

Long Aldridge & Norman LLP
Attorneys At Law
6th Floor, 701 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Dong Guk KIM et al.

Group Art Unit: 2812

Application No.: 09/893,557

Examiner: Unknown

Filing Date: June 29, 2001

For: Reflective and Transflective Liquid Crystal Display
Device and Its Manufacturing Method

DECLARATION OF SEUNG K. LEE

I, Seung K. Lee, hereby declare the following:


1. About eight months after filing the Korean Application No. 2000-61931, LG.Philips LCD Co., Ltd. requested me to prepare a patent application for filing in the United States corresponding to the Korean Application. I prepared a draft of the U.S. Application, which included translating the Korean Application, and forwarded the draft application to the U.S. patent attorney on June 11, 2001. Since the Korean Application was already written, the inventor did not need to be contacted to complete the draft U.S. application. The U.S. attorney reviewed and edited the patent application to place the application in good form for U.S. practice and sent it back to me on June 23, 2001. On June 29, 2001, I instructed the U.S. attorney to file the application without the declaration. The U.S. application was filed on June 29, 2001, which is approximately four months before the one-year anniversary date of the priority date of the Korean application. Subsequent to the U.S. filing, we received a Notice to File Missing Parts dated August 17, 2001. I have been unable to locate one the inventors of the U.S. patent application identified above, Yong Beom Kim. Because I could not locate Yong Beom Kim, he has not executed a Declaration for the pending U.S. patent application.
2. I have made a diligent effort to find Yong Beom Kim, who is a joint inventor in the above-identified application, to obtain a Combined Declaration and Power of Attorney executed by him, as explained below.
3. On or about October 9, 2001, on behalf of the assignee, LG.Philips LCD Co., Ltd., I sent a copy of the complete application papers with a request that he sign the declaration for the patent application by registered mail to his last known address. The contents of the envelope included the finalized specification and drawings, and Combined Declaration and Power of Attorney for Mr. Kim's execution. However, the envelope was returned back to my law firm in Korea, Kims International Patent &

DC: 89396.1

Law Office, as indicated in the attached copy of the returned envelope, which recites in Korean "moved". A verified translation of the reason why the envelope was returned is attached.

4. Yong Beom Kim's last known address is: Dongsin Apt. 212-80, 313-1 Chongchadong, Changan-gu Suwon-shi, Kyonggi-do, Republic of Korea.
5. In attempting to locate Yong Beom Kim, I also called his last known telephone number both at work and at home in the Republic of Korea, but Yong Beom Kim was not reachable at both of these numbers because he left his employment at LG.Philips Co., Ltd. and moved from his last known address. His managers and other employees also did not know his whereabouts.
6. I do not currently have any other address, telephone number, or other information for contacting Yong Beom Kim.

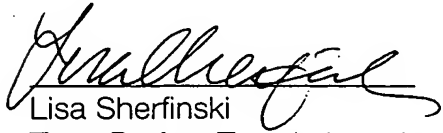
April 12, 2002
Date


Seung K. Lee

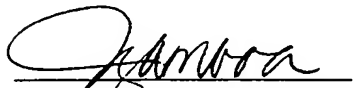


AFFIDAVIT OF ACCURACY

I, Lisa Sherfinski, hereby certify that the following is, to the best of my knowledge and belief, a true and accurate translation of the enclosed documents from Korean into English.


Lisa Sherfinski
TransPerfect Translations, Inc.
1101 Pennsylvania Ave., NW
Washington, DC 20004

Sworn to before me this
23rd day of April, 2002


Signature, Notary Public

Irma B. Gamboa
Notary Public, District of Columbia
My Commission Expires 10-14-2006

Stamp, Notary Public

District of Columbia

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DALLAS
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FRANKFURT
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WASHINGTON, DC

양도증

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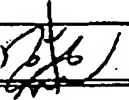
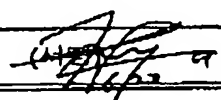
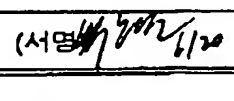
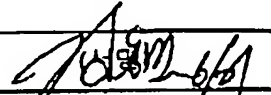
주소: 서울특별시 영등포구 여의도동 20번지

성명: LG.PHILIPS LCD 주식회사

공동 대표이사 구본준, Ron H. Wirahadiraksa

다음의 발명에 관하여 國內外에서 특허(실용신안등록)를 받을 수 있는 권리를 귀하에게 양도합니다.

2000 년 6 월 20 일

1.사건의 표시	특허 (실용신안)	
2.발명의 명칭	반사형/반투과형 LCD의 storage capacitance 구조	
3.양도인(발명자)		
주 소: 서울시 강서구 방화1동 신안아파트 12 동 201호		
주민등록번호: 721113 - 1047716	성 명: 김 동 국	(서명) 
주 소: 경기도 군포시 산본동 1145, 세종 아파트 640동 1204호		
주민등록번호: 700217-1480917	성 명: 김 용 권	(서명) 
주 소: 서울시 동작구 사당동 1027-15		
주민등록번호: 720921 - 1091013	성 명: 하 경 수	(서명) 
주 소: 서울시 영등포구 대림2동 1027-3번지		
주민등록번호: 750222 - 1120712	성 명: 백 흡 일	(서명) 
주 소: 경기도 수원시 장안구 정자동 313-1 동신APT 212동 807호		
주민등록번호: 690108 - 1454629	성 명: 김 용 범	(서명) 

Deed of Transfer

Transferee:

Address: 20, Yeoido-dong, Yongdeungpo-ku, Seoul

Name: LG Philips LCD Co., Ltd.

Joint representative directors: Bon-Joon Koo, Ron H. Wirahadiraksa

We do hereby transfer to you the rights to receive a patent (utility design registration) for the following invention both in Korea and overseas.

June 20, 2000

1. Case Type: Patent (utility design)
2. Title of the Invention: Storage capacitance structure of reflective/transflective LCD

3. Transferors (Inventors)

Address: Shinan Apt., 12-201, Banghwa-1-dong, Kangseo-ku, Seoul

Resident registration number: 721113-1047716, Name: Dong-Guk Kim (signature) [signature]

Address: Saejong Apt., 640-1204, 1145, Sanbon-dong, Kunpo-shi, Kyeonggi-do

Resident registration number: 700217-1480917, Name: Woong-Kwon Kim (signature) [signature]

Address: 1027-15, Sa-[dang]-dong, Dongjak-ku, Seoul

Resident registration number: 720921-1091013, Name: Kyeong-Su Ha (signature) [signature]

Address: 1027-3, Daelim-2-dong, Youngdeungpo-ku, Seoul, Korea

Resident registration number: 750222-1120712, Name: Heung-Il Baek (signature) [signature]

Address: Dongshin Apt., 212-807, 313-1, Jeongja-dong, Jangan-ku, Suwon-shi, Kyeonggi-do

Resident registration number: 690108-1454629, Name: [illegible]-Beom Kim (signature) [signature]

LG (23) Deuk 001A4 (990901)

LG Philips [LCD]